CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- At time of the Action: Claims 1-37.
- After this Response: Claims 38-53.

Canceled or Withdrawn claims: 1-37.

Amended claims: none.

New claims: 38-53.

Claims 1-37 are CANCELLED.

38. (NEW) A method of processing first, second, and third signals for use in a system having first, second, third and fourth signal lines, wherein the first, second, and third signal lines couple a source device to a destination device, a pseudo-random number generator being contained within the source device, the method comprising:

operating the source device to communicate with the destination device so as to establish a session key and synchronization information via one or all of the first, second, third and fourth signal lines during a vertical blanking period;

operating the pseudo-random number generator to generate said pseudo-random output values as a function of the established session key;

generating a fourth signal;

generating, using said pseudo-random number generator, pseudo-random output values; and

for each of the first, second, third and fourth signal lines, selecting, for transmission thereon, one of the first, second, third, and fourth signals, the selection being performed in a mutually exclusive manner and as a function of at least one of said pseudo-random output values, the selection also being performed by a matrix multiplication operation performed on the first, second, third and fourth signals utilizing matrix coefficients generated from a plurality of the pseudo-random output values.

39. (NEW) The method of claim 38, wherein generating a fourth signal includes:

processing at least one of the first, second or third signals to generate the fourth signal from said at least one of the first, second, or third signals.

40. (NEW) The method of claim 38, wherein generating a fourth signal includes performing the act of:

switching between at least two of said first and second signals to generate said fourth signal.

41. The method of claim 38, wherein generating a fourth signal includes:

performing a high pass filtering operation on one of said first, second and third signals to produce a filtered signal; and

combining the filtered signal with a modulated pedestal signal to generate said fourth signal.

42. (NEW) The method of claim 38, wherein the first, second and third signals are red, green and blue video signals, respectively, the method further comprising the steps of:

encrypting horizontal synchronization information into at least one of said red, green and blue video signals prior to changing which ones of the first, second, third and fourth signal lines are used to transmit said first, second and third signals.

43. (NEW) The method of claim 7, further comprising:

transmitting a horizontal synchronization signal over said fourth line prior to using the fourth line to transmit one of said first, second and third video signals.

44. (NEW) A machine readable medium, comprising computer instructions for controlling a computer system to perform the steps recited in claim 38.

45. **(New)** A method of processing first, second, and third video signals which are coupling a source device to a destination device, the method comprising:

generating a fourth video signal;

operating the source device to communicate with the destination device so as to establish a session key and synchronization information via one or all of the first, second, third and fourth video signal during a vertical blanking period;

transmitting the first, second, third, and fourth video signals over first, second, third and fourth lines, the transmitting including periodically swapping the lines used to transmit the first, second, third and fourth video signals;

modifying at least one of said first, second and third signals prior to transmitting them, the modifying including modulating horizontal synchronization information on each of said first, second, and third video signals.

46. **(New)** The method of claim 45, wherein periodically swapping the lines used to transmit the first, second, third and fourth video signals includes the act of:

performing a matrix multiplication operation on the first, second, third and fourth video

signals to determine the line on which each of the video signals are transmitted.

47. **(CURRENTLY AMENDED)** The method of claim 46, further comprising:

operating a pseudo random number generator to generate a set of values; and

wherein said matrix multiplication operation is performed as a function of said set of generated values.

48. **(NEW)** A machine readable medium, comprising computer instructions for controlling a computer system to perform the steps recited in claim 45.

49. (NEW) A video adapter comprising:

a video signal generation means for generating a fourth video signal;

a session establishing means for establishing a session key and communicating synchronization information via one or all of a first, second, third and fourth signal lines during a vertical blanking period;

a pseudo-random number generation means for generating pseudo-random output values as a function of the established session key;

selection means for selecting one of the first, second, third, and fourth video signals for transmission over each of the first, second, third and fourth signal lines, the selection being performed in a mutually exclusive manner and as a function of at least one of said pseudo-random output values.

50. (NEW) The video adapter of claim 49, wherein the video signal generation means includes means for generating said fourth video signal from at least one of said first, second and third video signals.

51. (NEW) The video adapter of claim 49, wherein the selection means includes use of a matrix multiplier.

52. **(NEW)** The video adapter of claim 49, further comprising:

means for modulating horizontal synchronization information on one of the first, second, third, and fourth video signals.

53. **(NEW)** The video adapter of claim 49, wherein the first, second, third and fourth video signal are analog video signals.